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	Application Number	10/718,262
	Filing Date	November 20, 2003
	First Named Inventor	Paul B. McCray, Jr. et al.
	Art Unit	1636
	Examiner Name	David Guzo
Total Number of Pages in This Submission		Attorney Docket Number 17023.035US1

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<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<b>Remarks</b>	

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	VIKSINIS HARRIS & PADYS PLLP		
Signature			
Printed name	Peter L. Malen		
Date	April 10, 2006	Reg. No.	44,894

## CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature			
Typed or printed name	Lynda Mau	Date	April 10, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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S/N 10/718,262

PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Paul B. McCray, Jr. et al. Examiner: David Guzo  
Serial No.: 10/718,262 Group Art Unit: 1636  
Filed: November 20, 2003 Docket: 17023.035US1  
Title: METHODS FOR PRODUCING AND USING IN VIVO PSEUDOTYPED  
RETROVIRUSES USING ENVELOPE GLYCOPROTEINS FROM LYMPHOCYTIC  
CHORIOMENINGITIS VIRUS (LCMV)

COMMUNICATION CONCERNING RELATED APPLICATIONS

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Applicants would like to bring to the Examiner's attention the following related application.

Applications that claim priority to the related application may be filed, and Applicants respectfully request that the Examiner review those applications prior to issuing a Notice of Allowance in the present application.

Application Number	Filing Date	Docket Number
10/993,319	November 19, 2004	17023.051US1

Respectfully submitted,  
Paul B. McCray, Jr. et al.  
By their Representatives,  
Viksnins Harris & Padys PLLP  
P.O. Box 111098  
Saint Paul, MN 55101  
952 876-4094

Date

April 10, 2006

By

Peter L. Malen  
Reg. No. 44,894

CERTIFICATE UNDER 37 CFR 1.8: I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment; Commissioner for Patents; P.O. Box 1450, Alexandria, VA 22313-1450, on this 10<sup>th</sup> day of April, 2006.

Name

Lynda Mau

Signature

Lynda Mau

S/N 10/718,262

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Paul B. McCray, Jr. et al.	Examiner:	David Guzo
Serial No.:	10/718,262	Group Art Unit:	1636
Filed:	November 20, 2003	Docket:	17023.035US1
Title:	METHODS FOR PRODUCING AND USING IN VIVO PSEUDOTYPED RETROVIRUSES USING ENVELOPE GLYCOPROTEINS FROM LYMPHOCYTIC CHORIOMENINGITIS VIRUS (LCMV)		

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicants respectfully request that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to MPEP 609, Applicants request that a copy of the Form 1449, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

An Information Disclosure Statement filing fee of \$180.00 is enclosed herewith. The Commissioner is hereby authorized to charge any additional required fees to Deposit Account No. 503503 in order to have this Information Disclosure Statement considered. The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

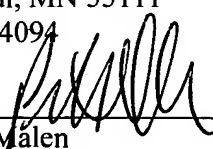
Respectfully submitted,  
Paul B. McCray, Jr. et al.  
By their Representatives,  
Viksnins Harris & Padys PLLP  
P.O. Box 111098  
Saint Paul, MN 55111  
952 876-4094

04/14/2006 SFELEKE1 00000091 10718262

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Date April 10, 2006

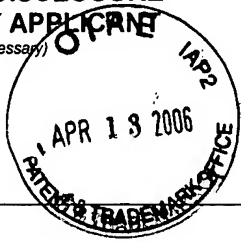
By   
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Reg. No. 44,894

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Lynda Mau  
Name

  
Signature

Substitute for form 1449A/PTO and/or 1449B/PTO  
**INFORMATION DISCLOSURE  
 STATEMENT BY APPLICANT**  
 (Use as many sheets as necessary)



Complete if Known

Application Number	10/718,262
Filing Date	November 20, 2003
First Named Inventor	McCray
Group Art Unit	1636
Examiner Name	David Guzo

Sheet 1 of 2

Attorney Docket No: 17023.035US1

**US PATENT DOCUMENTS**

Examiner Initials *	US Document Number	Publication Date	Name of Patentee/Applicant of Document
	6,440,730	August 27, 2002	Von Laer et al.
	6,555,107	April 29, 2003	Poeschla et al.
	2005/0123517	June 09, 2005	McCray, Jr. et al.

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document Number (include country code)	Publication Date	Translation (Abstract Only or Full Translation, if applicable)
	WO 03/092582	November 13, 2003	
	EP 1 006 196	June 07, 2000	Abstract

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Include last name of the first author (in CAPITAL letters), "Title of the Article", Title of the Source (book, magazine, journal, serial, symposium, catalog, etc.), Volume-Number, page(s) and (date).
	International Search Report from PCT application serial number PCT/US2004/39076, mailed April 20, 2005.
	Azzouz et al., "Lentiviral vectors for treating and modeling human CNS disorders", <u>J Gene Med</u> , 6(9), 951-962 (2004).
	Besnard et al., "Multiple interacting sites regulate astrocyte-specific transcription of the human gene for glial fibrillary acidic protein", <u>J Biol Chem</u> , 266(28), 18877-18883 (1991).
	Blömer et al., "Highly efficient and sustained gene transfer in adult neurons with a lentivirus vector", <u>J Virol</u> , 71(9), 6641-6649 (1997).
	Brooks et al., "Functional correction of established central nervous system deficits in an animal model of lysosomal storage disease with feline immunodeficiency virus-based vectors", <u>PNAS</u> , 99(9), 6216-6221 (2002).
	Burton et al., "Gene therapy progress and prospects: Parkinson's disease", <u>Gene Ther</u> , 10(20), 1721-1727 (2003).
	Dylla et al., "Improved apical airway epithelia targeting properties of FIV vector pseudotyped with envelopes from LCMV", <u>Molecular Therapy</u> , 9, Supplement 1, page S186, abstract 491, (2004).
	Hsich et al., "Critical issues in gene therapy for neurologic disease", <u>Hum Gene Ther</u> , 13(5), 579-604 (2002).
	Loewen et al., "Transgene-specific toxicity in lentiviral vector-transduced feline TM in vivo", <u>ARVO Annual Meeting Abstract Search and Program Planner</u> , abstract 1147, Annual Meeting of the Association for Research in Vision and Ophthalmology, Fort Lauderdale, FL, USA, May 04-08, 2003 (2003).
	Petreanu et al., "Maturation and death of adult-born olfactory bulb granule neurons: Role of olfaction", <u>J Neurosci</u> , 22(14), 6106-6113 (2002).
	Rainov et al., "Clinical trials with retrovirus mediated gene therapy - what have we learned?", <u>J Neurooncol</u> , 65(3), 227-236 (2003).
	Sinnayah et al., "Targeted viral delivery of Cre recombinase induces conditional gene deletion in cardiovascular circuits of the mouse brain", <u>Physiol Genomics</u> , 18(1), 25-32 (2004).

**EXAMINER**

**DATE CONSIDERED**

Substitute Information Disclosure Statement Form (PTO-1449)

\* Examiner: Initial if document considered, whether or not the citation is in conformance with MPEP 609. Draw line through citation if not considered. Include copy of this form with next communication to Applicant.

Substitute for form 1449A/PTO and/or 1449B/PTO  
**INFORMATION DISCLOSURE  
 STATEMENT BY APPLICANT**  
 (Use as many sheets as necessary)

Complete if Known

<b>Application Number</b>	10/718,262
<b>Filing Date</b>	November 20, 2003
<b>First Named Inventor</b>	McCray
<b>Group Art Unit</b>	1636
<b>Examiner Name</b>	David Guzo

Sheet 2 of 2

Attorney Docket No: 17023.035US1

**OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Include last name of the first author (in CAPITAL letters), "Title of the Article", <u>Title of the Source</u> (book, magazine, journal, serial, symposium, catalog, etc.), <u>Volume-Number</u> , page(s) and (date).
	Stein et al., "Gene transfer to the brain using feline immunodeficiency virus-based lentivirus vectors", <u>Methods Enzymol</u> , 346, 433-454 (2002).
	Stein et al., "The lymphocytic choriomeningitis virus envelope glycoprotein targets lentiviral gene transfer vector to neural progenitors in the murine brain", <u>Mol Ther</u> , 11(3), 382-389 (2005).
	Verma et al., "Gene therapy -- promises, problems and prospects", <u>Nature</u> , 389(6648), 239-242 (1997).
	Wichterle et al., "Direct evidence for homotypic, glia-independent neuronal migration", <u>Neuron</u> , 18(5), 779-791 (1997).
	Wong et al., "Transduction patterns of pseudotyped lentiviral vectors in the nervous system", <u>Mol Ther</u> , 9(1), 101-111 (2004).

EXAMINER

DATE CONSIDERED